ABSTRACT

1
2   When individual persons or vehicles move through a transportation

3 network, they are likely to be both actively and passively creating information that

4 reflects their location and current behavior. In this patent, we propose a system

5 that makes complete use of this information. First, through a broad web of

6 sensors, our system collects and stores the full range of information generated

7 by travelers. Next, through the use of previously-stored data and active

8 computational analysis, our system deduces the identity of individual travelers.

9 Finally, using advanced data-mining technology, our system selects useful

10 information and transmits it back to the individual, as well as to third-party users;

11 in short, it forms the backbone for a variety of useful location-related end-user

12 applications.

13